Int. — nal Application No PCT/GB2004/004816

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D471/04 C07D C07D473/22 C07D473/18 C07D495/04 CO7D513/04 A61K31/522 A61P25/04 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C07D A61K A61P IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, WPI Data, EMBASE, BEILSTEIN Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category 9 1 TANAKA K ET AL: "Synthesis and reaction X of 5-amino-3-trifluoromethylisoxazole and -pyrazole-4-carboxylic acids" J. HETEROCYCLIC CHEMISTRY, vol. 23, 1986, pages 1535-1538, XP002315651 compounds 11,12 1 DECK L M ET AL: "Reactions of isocyanates X with methyl N-(cyanothioformyl)anthranilate" J. HETEROCYCLIC CHEMISTRY, vol. 40, September 2003 (2003-09), pages 885-893, XP002315652 table 3; compounds 9A, 9E, 9H Further documents are listed in the continuation of box C. Patent family members are listed in annex. X Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention *E* earlier document but published on or after the international "X" document of particular relevance; the dalmed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the dalmed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the off. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 01/03/2005 18 February 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016 Usuelli, A

Intr nal Application No PC 1/ uB2004/004816

	PC1/ GB2004/ 004816						
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.							
Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.						
DAVE C G ET AL: "Pyridopyrimidines. X. Synthesis of 3-substituted 2-thioxo-5,7-dimethylpyrido'2,3-d!pyrimidin-4(3H)-ones and their S-alkylation under phase transfer conditions" J. HETEROCYCLIC CHEMISTRY, vol. 38, 2001, pages 457-461, XP002315653 table 3; compoinds 3A-J, 6K-T	. 1						
DAWOOD K M ET AL: "Electrolytic partial fluorination of organic compounds. 35. Anodic fluorination of 2-pyrimidyl, 2-pyridyl, and 2-quinazolinonly sulfides" J. ORG. CHEMISTRY, vol. 64, 1999, pages 7935-7939, XP002315654 table 1; compounds 3, 9C	1						
DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315655 Database accession no. BRN: 5445847 abstract & INDIAN J. CHEM. SECT. B, vol. 31, no. 4, 1992, pages 223-229,	1						
DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315656 Database accession no. BRN: 9153112 abstract & SANTAGATI N A ET AL: J. PHARM. PHARMACOL., vol. 54, no. 5, 2002, pages 717-728,	1						
DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315657 Database accession no. BRN: 4202227 abstract & LIEBIGS ANN. CHEM.,							
DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315658 Database accession no. BRN: 300530 abstract & J. AMER. CHEM. SOC., vol. 82, 1960, page 964,	1						
	Chatton of document, with Indication, where appropriate, of the relevant passages DAVE C G ET AL: "Pyridopyrimidines. X. Synthesis of 3-substituted 2-thioxo-5,7-dimethyl pyrido'2,3-d!pyrimidin-4(3H)-ones and their S-alkylation under phase transfer conditions" J. HETEROCYCLIC CHEMISTRY, vol. 38, 2001, pages 457-461, XP002315653 table 3; compounds 3A-J, 6K-T DAWOOD K M ET AL: "Electrolytic partial fluorination of organic compounds. 35. Anodic fluorination of 2-pyrimidyl, 2-pyridyl, and 2-quinazolinonly sulfides" J. ORG. CHEMISTRY, vol. 64, 1999, pages 7935-7939, XP002315654 table 1; compounds 3, 9C DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315655 Database accession no. BRN: 5445847 abstract & INDIAN J. CHEM. SECT. B, vol. 31, no. 4, 1992, pages 223-229, DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315656 Database accession no. BRN: 9153112 abstract & SANTAGATI N A ET AL: J. PHARM. PHARMACOL., vol. 54, no. 5, 2002, pages 717-728, DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315657 Database accession no. BRN: 4202227 abstract & LIEBIGS ANN. CHEM., vol. 9, 1990, pages 901-911, DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315658 Database accession no. BRN: 300530 abstract & LIEBIGS ANN. CHEM., vol. 9, 1990, pages 901-911, DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002315658 Database accession no. BRN: 300530 abstract & J. AMER. CHEM. SOC.,						

Into inal Application No
PC 1/ viB2004/004816

	THE PARTY OF THE P	Relevant to claim No.		
C.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages			
	And the second state and second states of the second secon			
A	WO 02/076946 A2 (NOVARTIS AG; NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H; CULSH) 3 October 2002 (2002-10-03) page 6, line 3 - page 9, line 2; claim 1	1-11		
A	WO 03/014064 A1 (BAYER AKTIENGESELLSCHAFT; YURA, TAKESHI; MOGI, MUNETO; IKEGAMI, YUKA;) 20 February 2003 (2003-02-20) page 6, line 24 - page 10, line 19	1-11		

ational application No. PCT/GB2004/004816

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claims 10,11 are directed to a method of treatment of the
human/animal body, the search has been carried out and based on the alleged effects of the compounds.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

itermation on patent laminy members

Inte, nal Application No PCT/GB2004/004816

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02076946	A2	03-10-2002	BR CA CZ EP HU JP MX NO SK US ZA	0208338 A 2441599 A1 20032561 A3 1377576 A2 0303623 A2 2004528312 T PA03008754 A 20034122 A 11952003 A3 2004138454 A1 200306636 A	09-03-2004 03-10-2002 17-12-2003 07-01-2004 01-03-2004 16-09-2004 18-02-2004 16-09-2003 02-03-2004 15-07-2004 19-08-2004
WO 03014064	A1	20-02-2003	JP CA EP US	2003055209 A 2455754 A1 1414788 A1 2004259875 A1	26-02-2003 20-02-2003 06-05-2004 23-12-2004